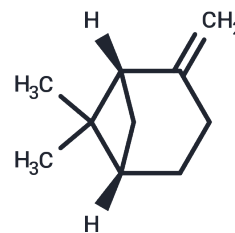


(-)-β-pinene

Chemical Properties

CAS No. :	18172-67-3
Formula:	C ₁₀ H ₁₆
Molecular Weight:	136.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(-)-β-pinene (Nopinene) is inhibit infectious bronchitis virus (IBV) with an IC ₅₀ of 1.32 mM, with antimicrobial activity
Targets(IC ₅₀)	Antibacterial

Solubility Information

Solubility	DMSO: 30 mg/mL (220.2 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3405 mL	36.7026 mL	73.4053 mL
5 mM	1.4681 mL	7.3405 mL	14.6811 mL
10 mM	0.7341 mL	3.6703 mL	7.3405 mL
50 mM	0.1468 mL	0.7341 mL	1.4681 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Yang Z , et al. Comparative anti-infectious bronchitis virus (IBV) activity of (-)-pinene: effect on nucleocapsid (N) protein. Molecules. 2011 Jan 25;16(2):1044-54.

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